INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/003337

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 G01N 33/53, G01N 27/26, G01N 27/447, C12M 1/36, C12P 19/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G01N 33/53, G01N 37/00, F15C 1/00, B65D 37/00, B29D 11/00, G01N 27/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patent and Applications for Inventions since 1975

Korean Utility Models and Applications for Utility Models since 1975

Japanese Utility Models and Applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS, WPI, USPTO, PAJ, NCBI, INSPECT "plastic, polystyrene, polyethylene, substrate, plate, bonding, sealing, organic, solvent, chloroform, acetone, method, fill*, add*, sample, hole, pressur*, decompress*, channel"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Y	US 6561208 B1 (O'Connor, S.D., et al., US) 13 May 2003 - see columns 4 & 7~10, claims & Figs 2 & 3	1, 7-9	
Y	US 2002/0117517 A1 (Unger, M.A., et al., US) 29 Aug 2002 - see pages 7~11 & claims	1, 7-9	
. у	US 6375871 B1 (Bentsen, J.G., et al., US) 23 Apr 2002 - see columns 9	1, 7-9	
' A .	US 6284113 BI (Bjornson, T.O., et al., US) 04 Sep 2001 - see abstract & column 13	1-16	
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1	Further documents are listed in the continuation of Box C	٠.
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See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- 'E' earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of mailing of the international search report

Date of the actual completion of the international search

29 MARCH 2005 (29.03.2005)

30 MARCH 2005 (30.03.2005)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/KR2004/003337

-	nt document I in search report	Publication date		Patent family member(s)		Publication date	
US 06	5561208 B1	13 May 2003	AU 2001	57047 A1	30 Oct 2001		
				22 Jan 2003			
				21 Oct 2003			
		WO 01788	393 A2	25 Oct 200	1		
US 20	0020117517 A1	29 Aug 2002	EP 013	45698 A2	24 Sep 2003		
		WO 02060)582 A2	08 Aug 200)2		
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		CA 23611	41 A1	27 Jul 2000			
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		WO 99656	364 A1	23 Dec 199	9	:	
US 06	284113 B1	04 Sep 2001	AU 19989	93754 A1	12 Apr 1999	• .	
		CA 23015	57 A1	01 Apr 1999			
		EP 010196	696 A1	19 Jul 2000			
		JP 135177	789 A1	09 Oct 2001			
		WO 99158	376 A1	01 Apr 1999	•		